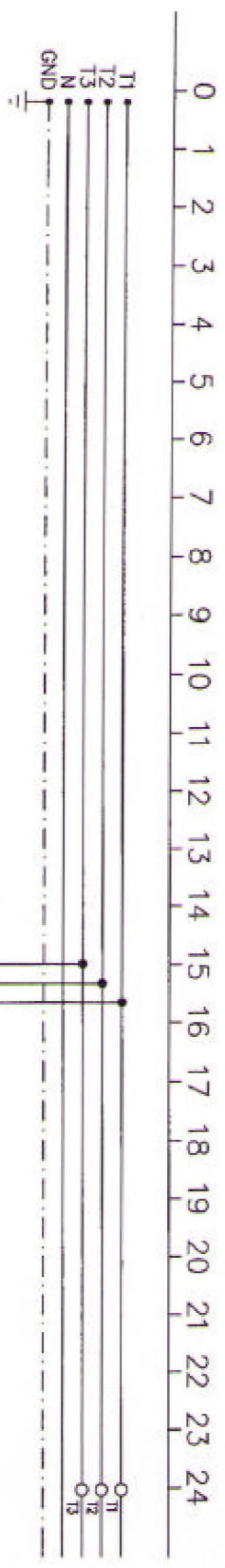
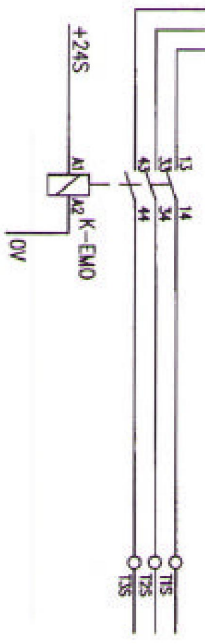


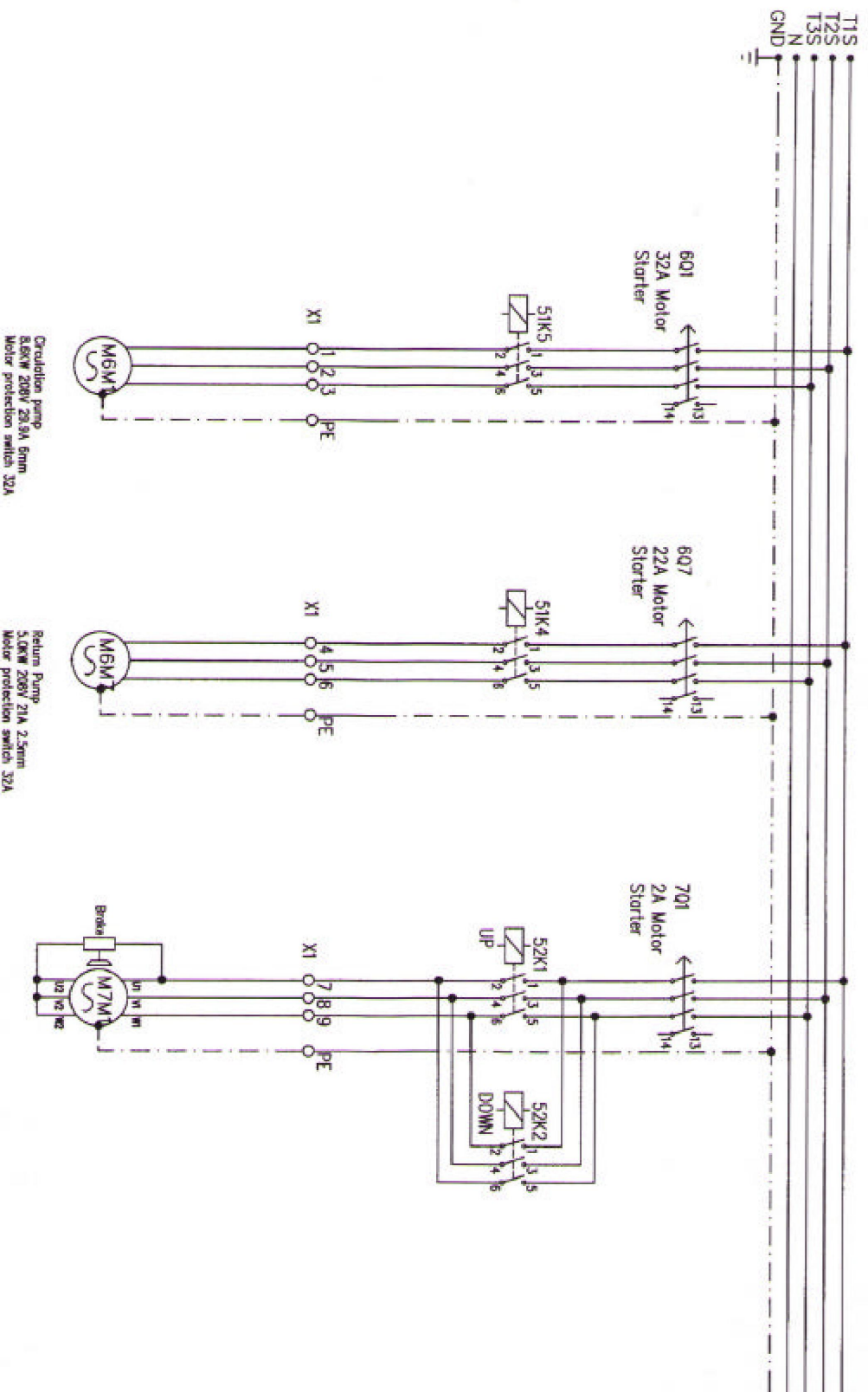
3 x 208V  
60 Hz  
50A



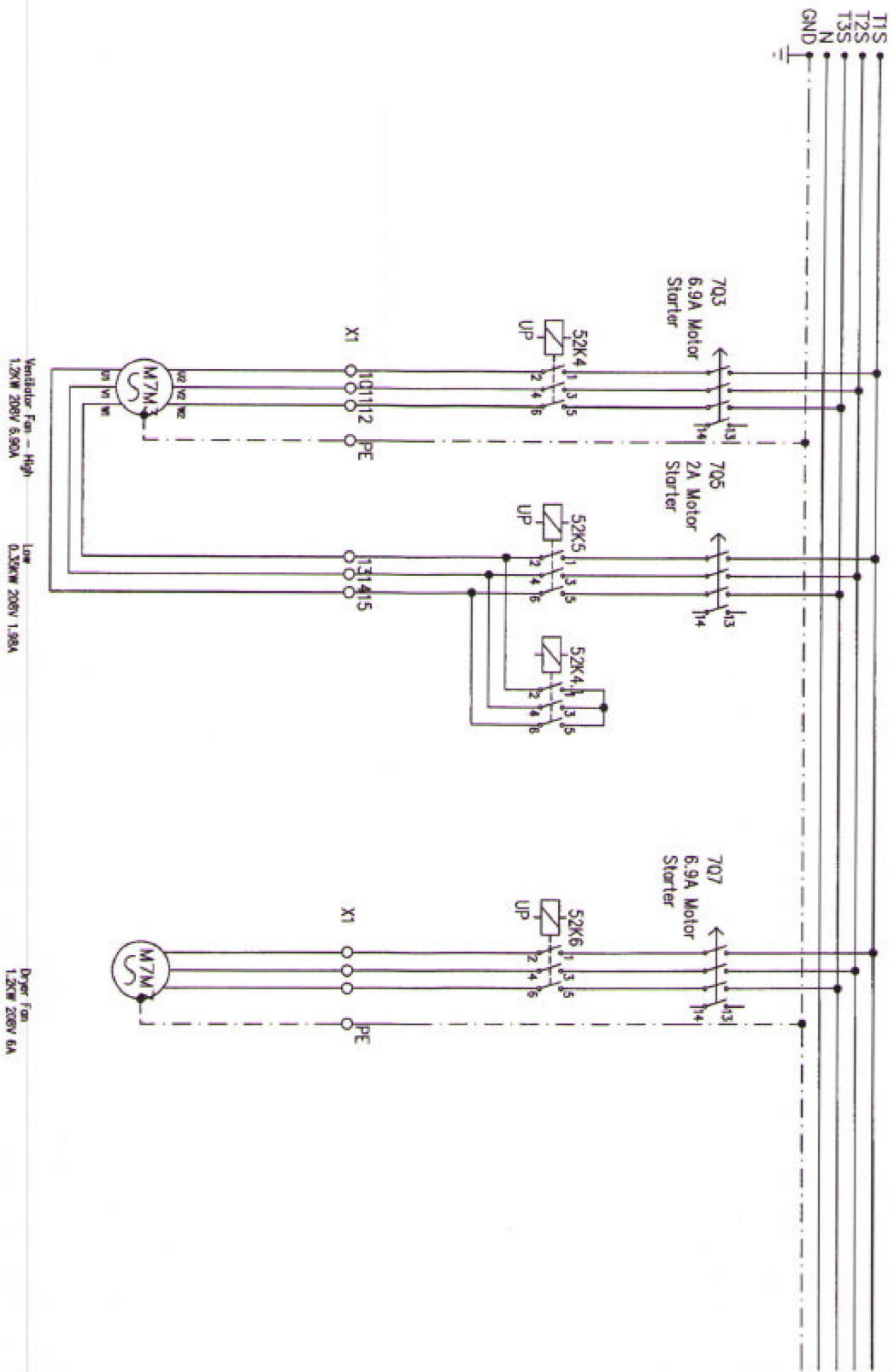
TSX3721  
Module 1  
16I A0  
12O B0  
Module 2  
32I A0,A1  
32O B0,B1  
TSXDMZ128DTK  
TSXDMZ64DTK



Manual Load Cartwasher CS721 Sept. 20 2006  
Manual Cartwasher CS721-3 Miami, Florida



50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74



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INC. Miami, FL

CS721

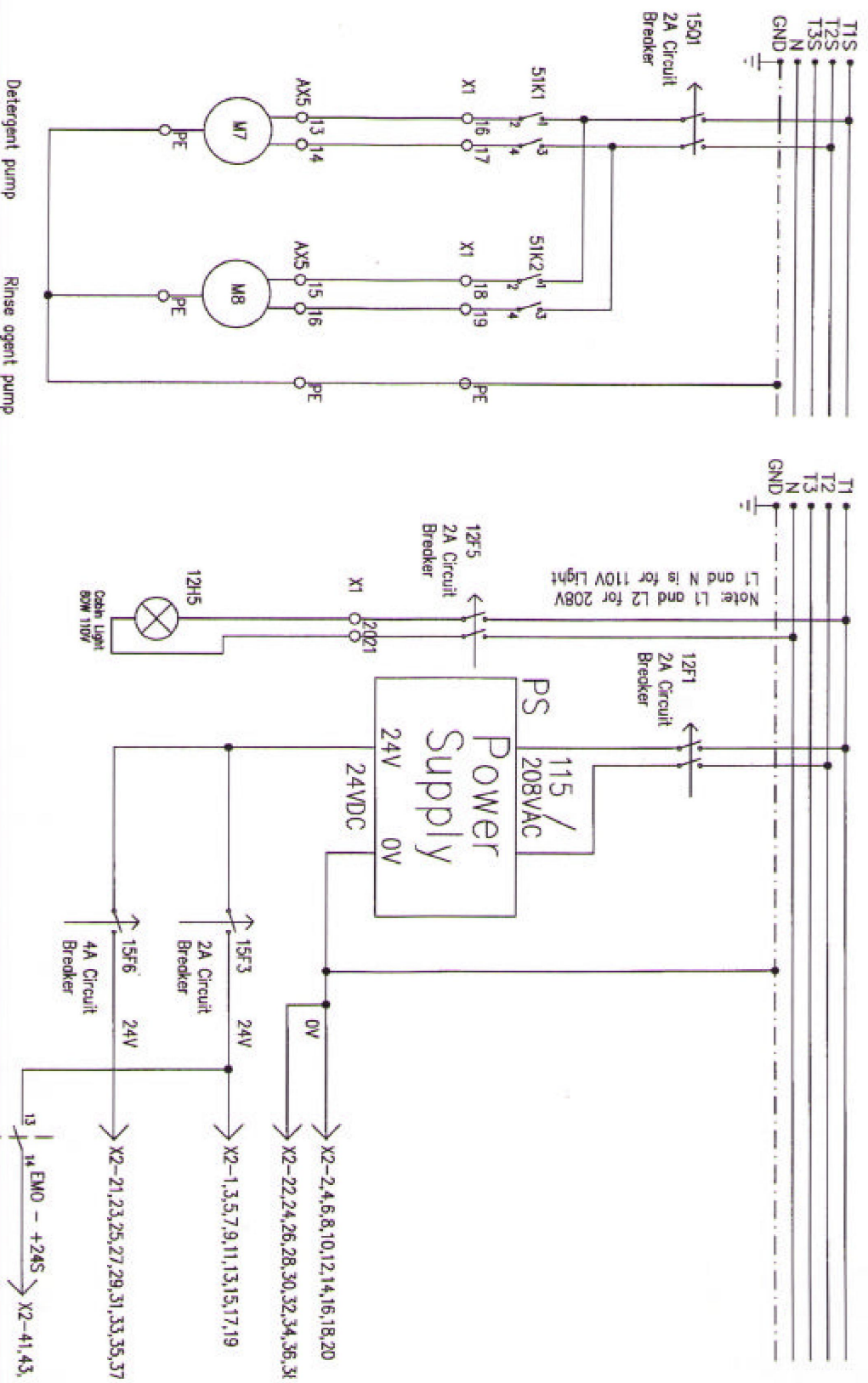
Manual Load Cartwasher

0 UNITS  
Electric Diagram 1.01

2-8-2006

PAGE 3 of 10

75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



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INC. Miami, FL

CS721

Manual Load Cartwasher

0 UNITS

Electric Diagram 1.01

2-8-2006

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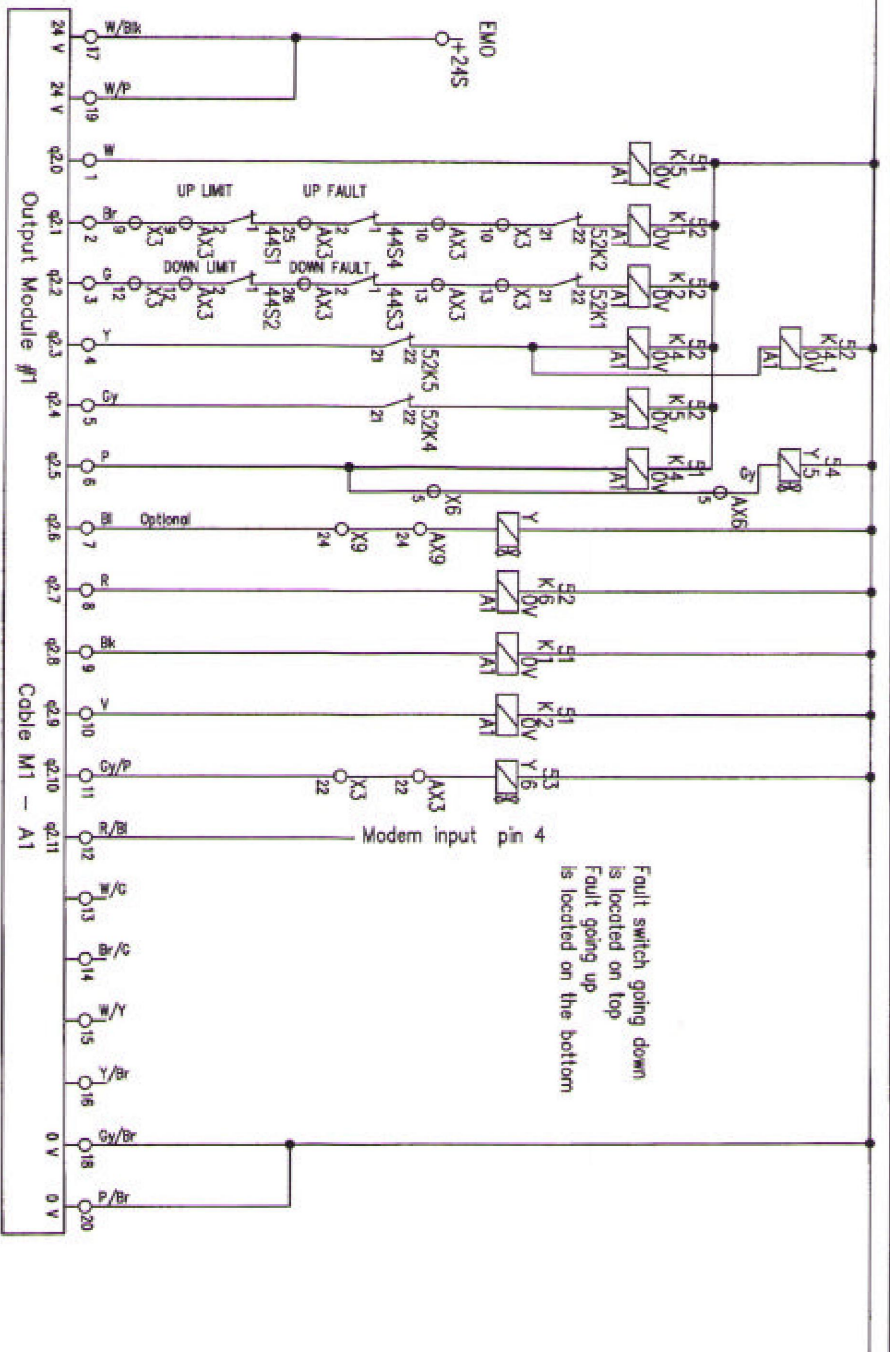


100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124

AOI BOX

AOI BOX

24V  
0V



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CS721 Manual Load Cartwasher

0 UNITS Electric Diagram 1.01

2-8-2006

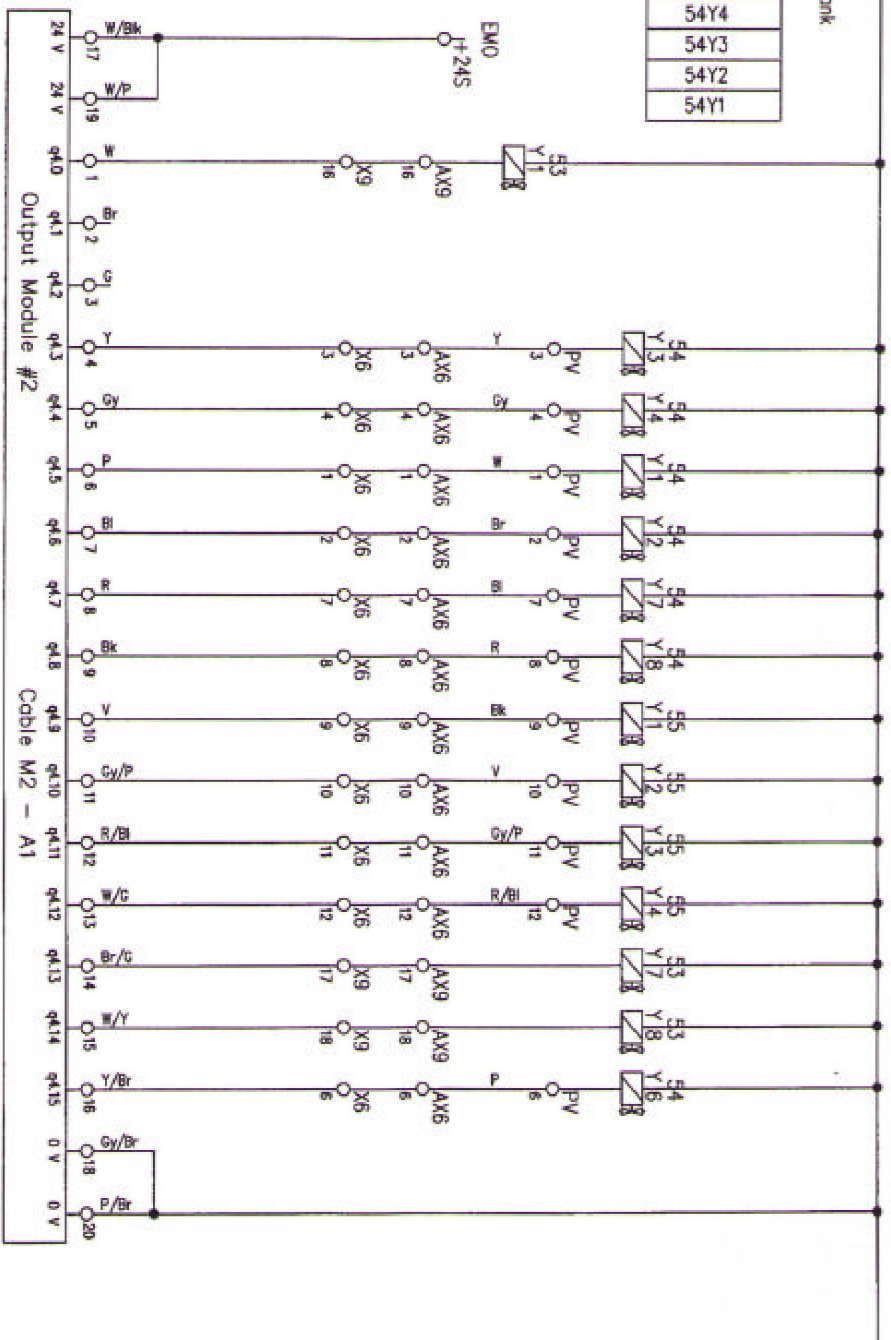
PAGE 5 of 10

125126127128129130131132133134135136137138139140141142143144145146147148149

24V0  
0V0

Pilot valves - Left bank

55Y4
55Y3
55Y2
55Y1
54Y8
54Y7
54Y6
54Y5
54Y4
54Y3
54Y2
54Y1



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CS721

Manual Load Cartwasher

0 UNITS

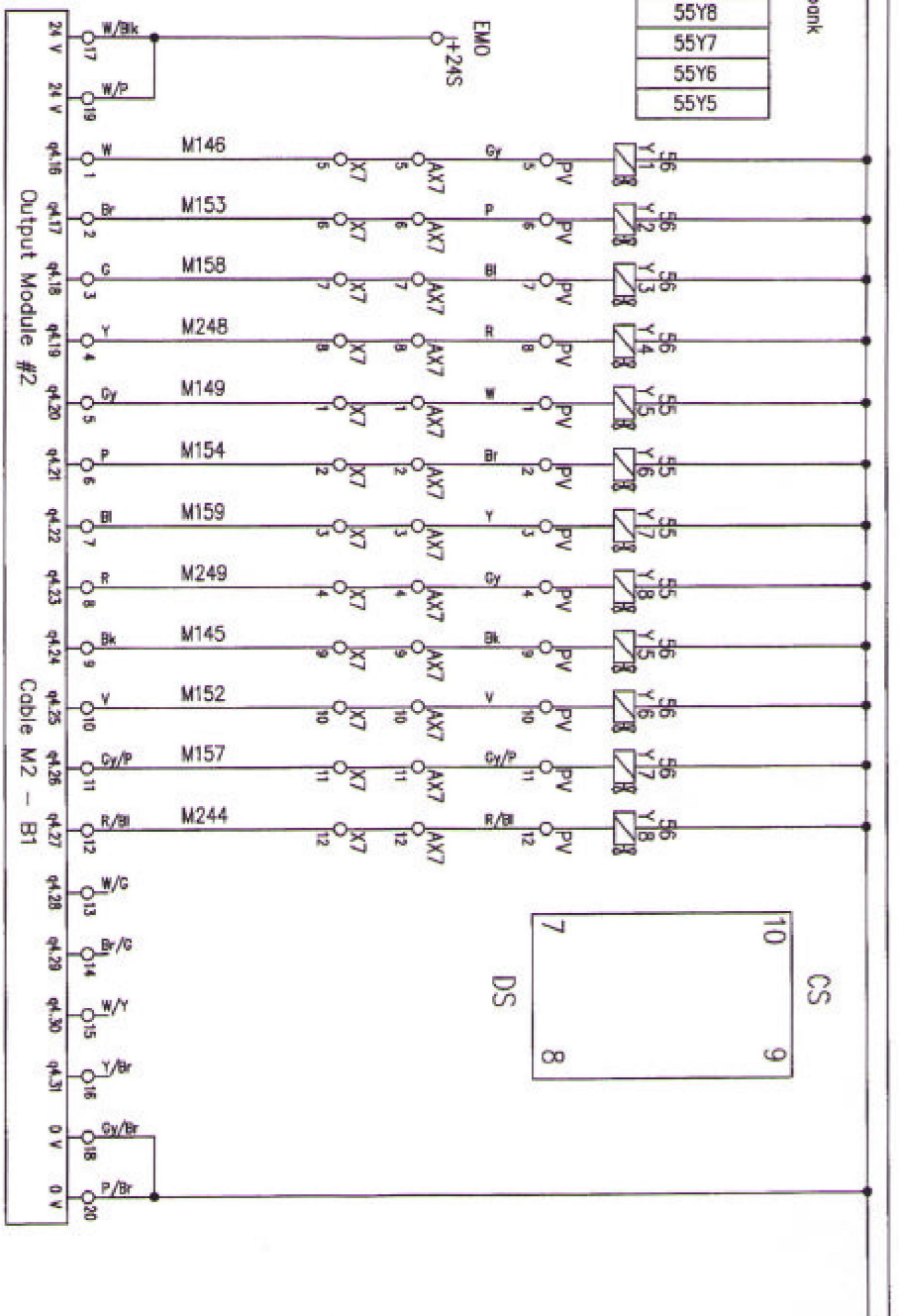
Electric Diagram 1.01

2-8-2006

PAGE 6 of 10

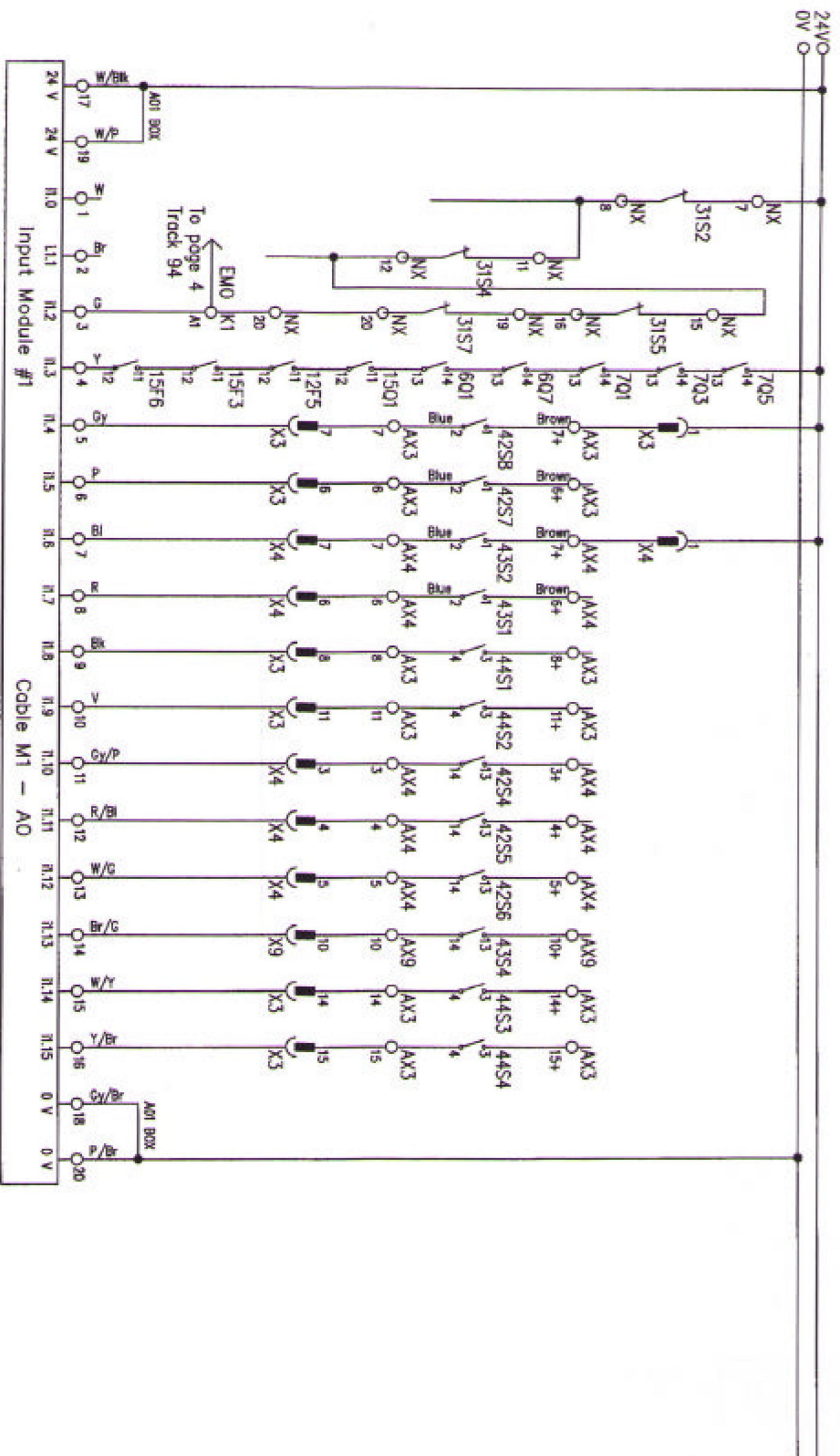
56Y8
56Y7
56Y6
56Y5
56Y4
56Y3
56Y2
56Y1
55Y8
55Y7
55Y6
55Y5

Pilot volves – Right bank





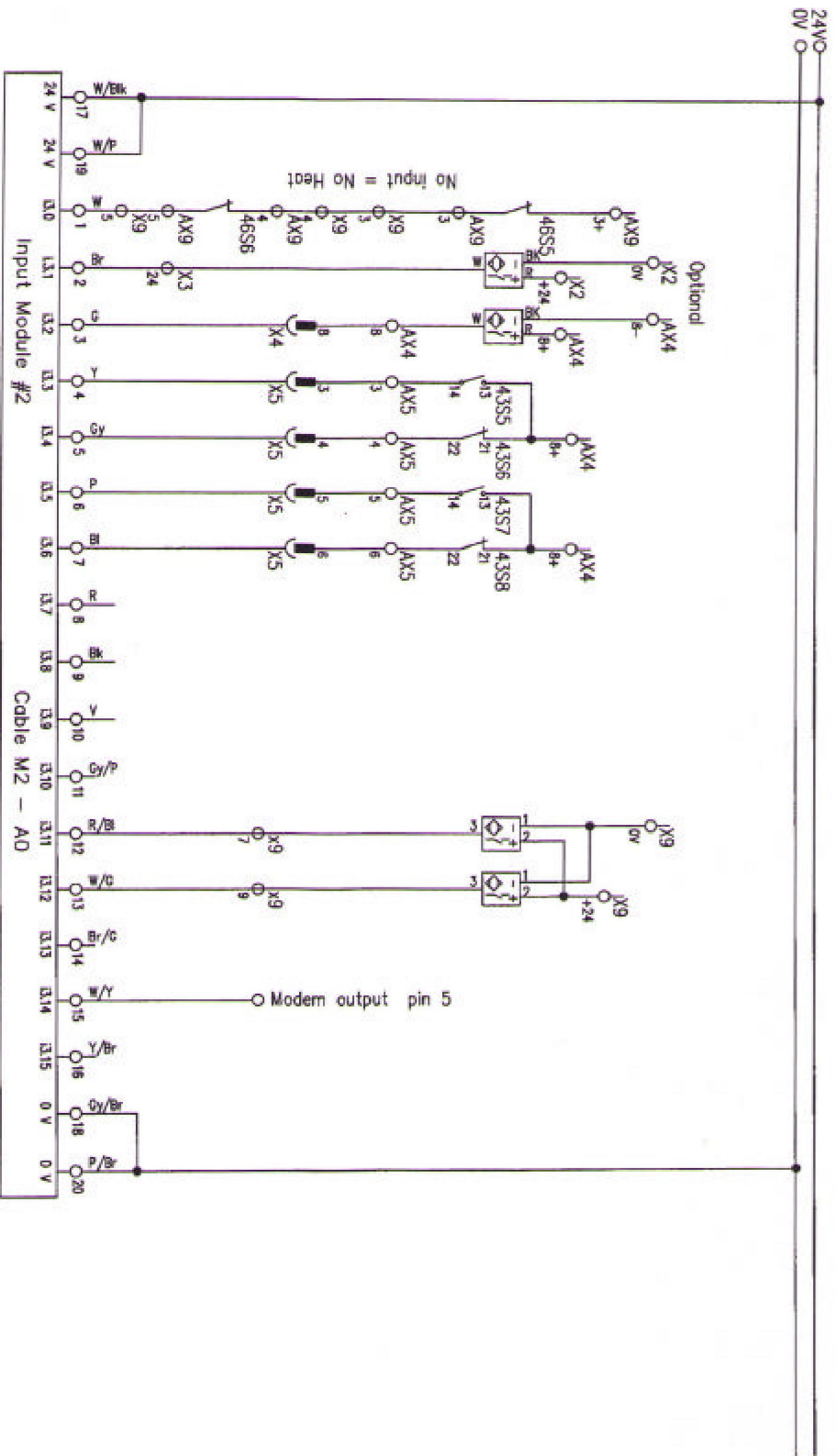
175176177178179180181182183184185186187188189190191192193194195196197198199



- EMO CS - S41
- Input 0 + DS - S42
- Input 1 + S43 & S44
- All CKT. breakers
- DS Door open
- DS door closed
- CS Door open
- CS Door closed
- Spray ring up
- Spray ring down
- Close Door CS 1
- Close Door CS 2
- Open Door CS
- Wash pump pressure
- Spray Ring Blocked Going Down
- Spray Ring Blocked Going Up



200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224



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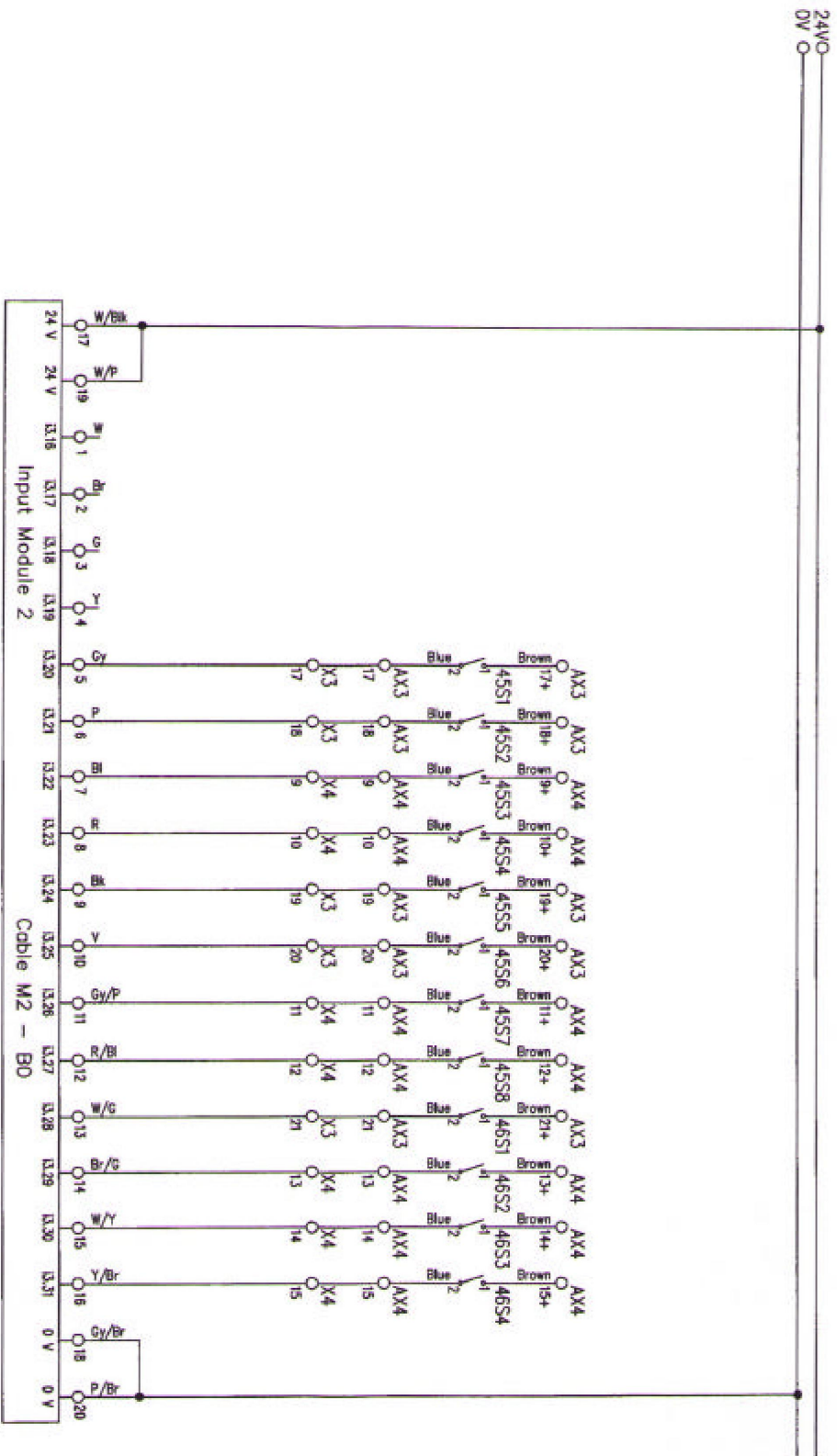
CS721  
Manual Load Cartwasher

0 UNITS  
Electric Diagram 1.01

2-8-2006

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225226227228229230 231232233234235236237238239240 241242243244245246247248249



250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274

Move metering pump power  
from 12F1 to 15Q1

Move power supply power  
from 15Q1 to 12F1

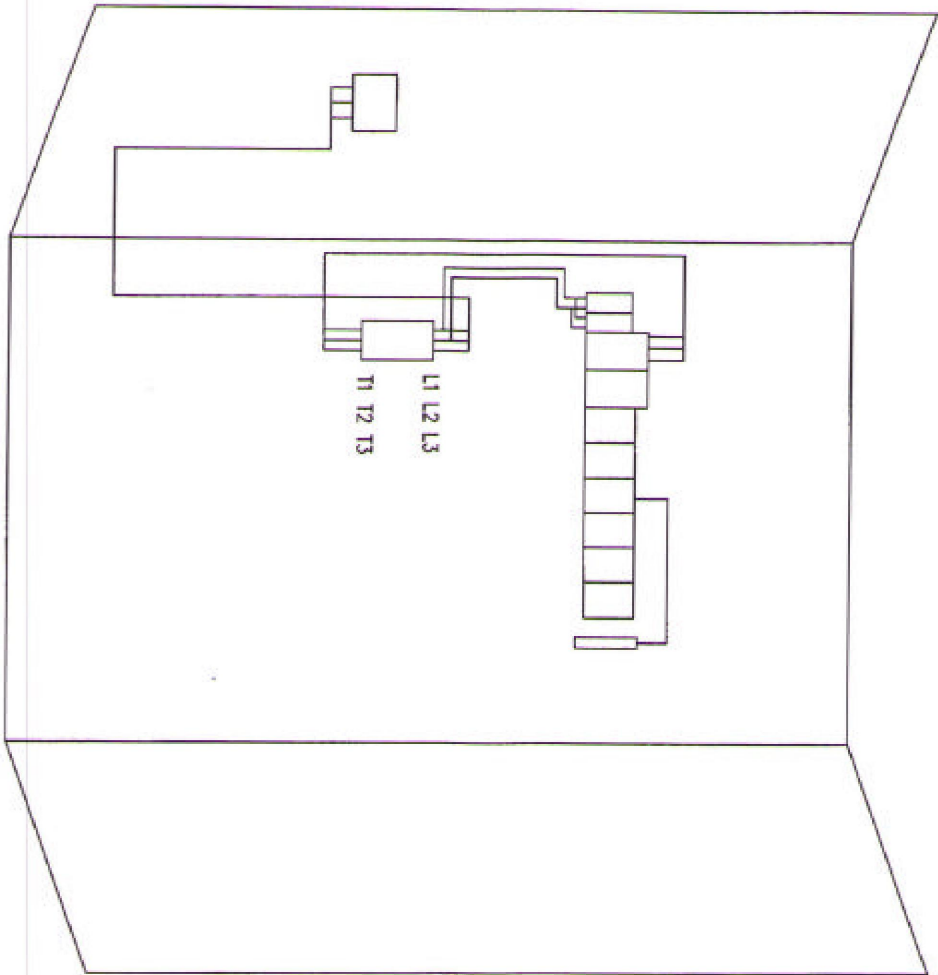
Remove power input from the  
right side of 12F5 and discard

Remove output wire from the  
right side of 12F5 – Replace wire  
with a white wire and reroute to "N"  
It should now go from X1-24 to N

=====

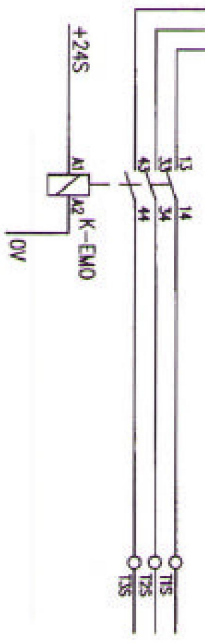
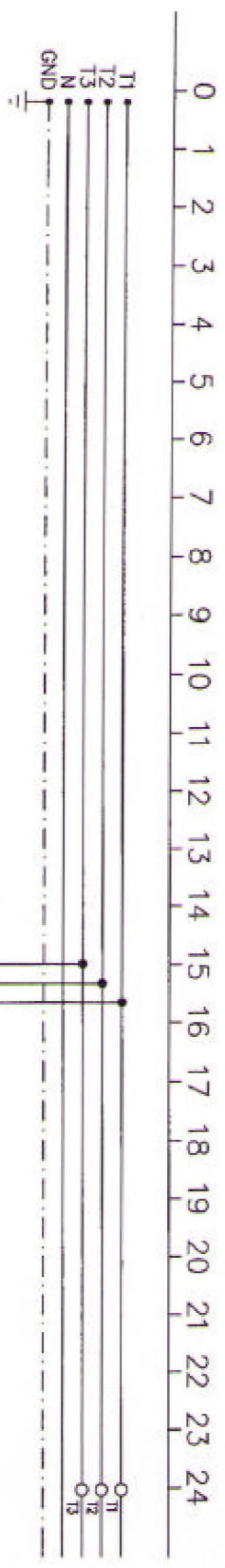
Power routing

- 3 Wires  
From power switch to top side of K-EMO (L1,2&3)
- 3 Wires  
From bottom side of K-EMO to 6Q1 (T1,2&3)
- 2 wires  
From 12F1 to top side of K-EMO (L1&3)
- 1 Wire  
From 12F5 to top side of K-EMO (L2)





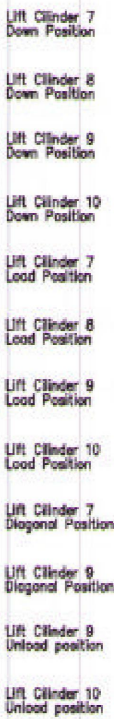
3 x 208V  
60 Hz  
50A

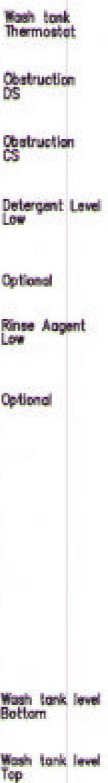


TSX3721  
Module 1  
16I A0  
120 B0  
Module 2  
32I A0,A1  
32O B0,B1  
TSXDMZ128DTK  
TSXDMZ64DTK

Manual Load Cartwasher CS721 Sept. 20 2006  
Manual Cartwasher CS721-3 Miami, Florida

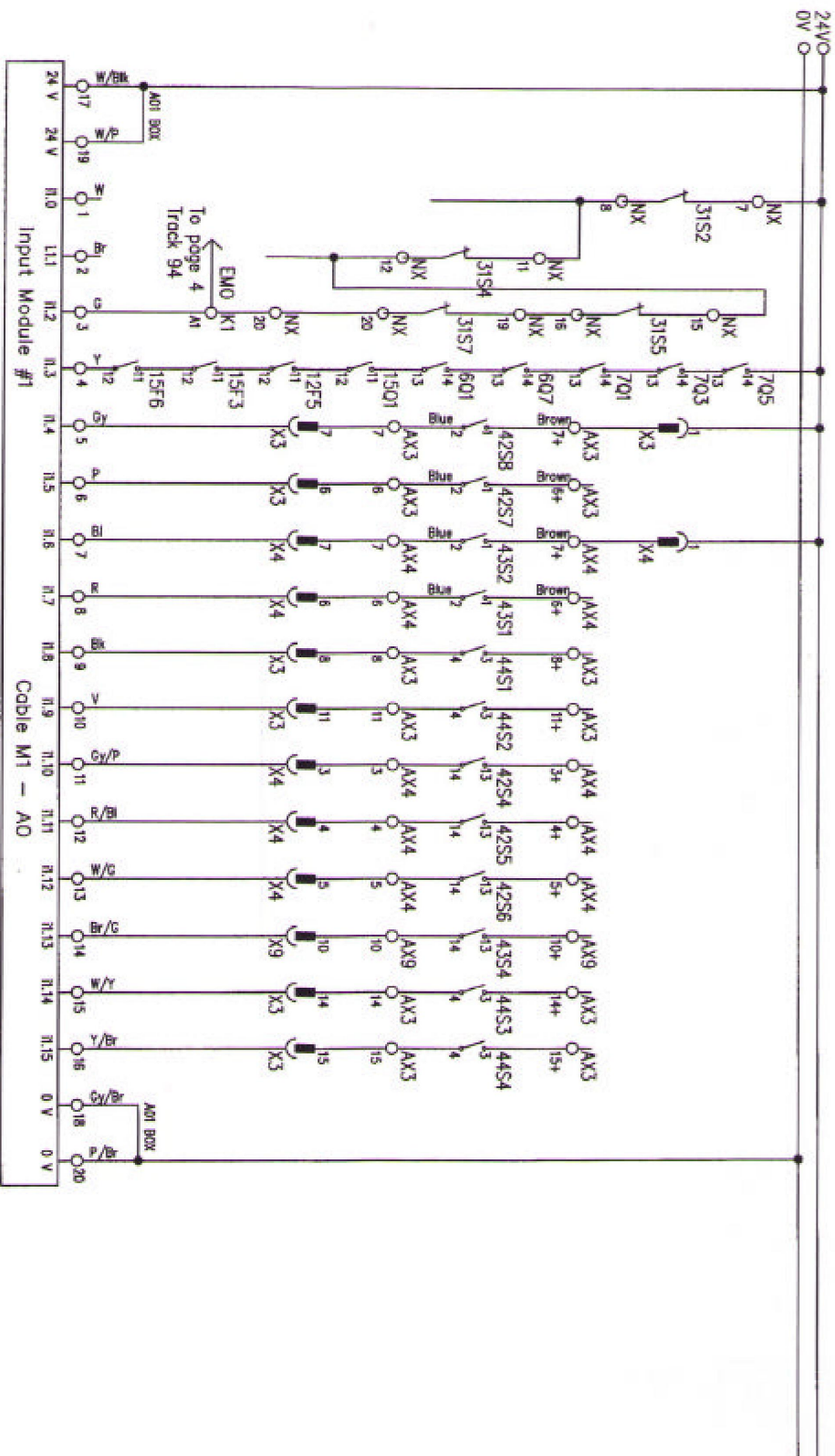
24W0-DV O-







175176177178179180181182183184185186187188189190191192193194195196197198199

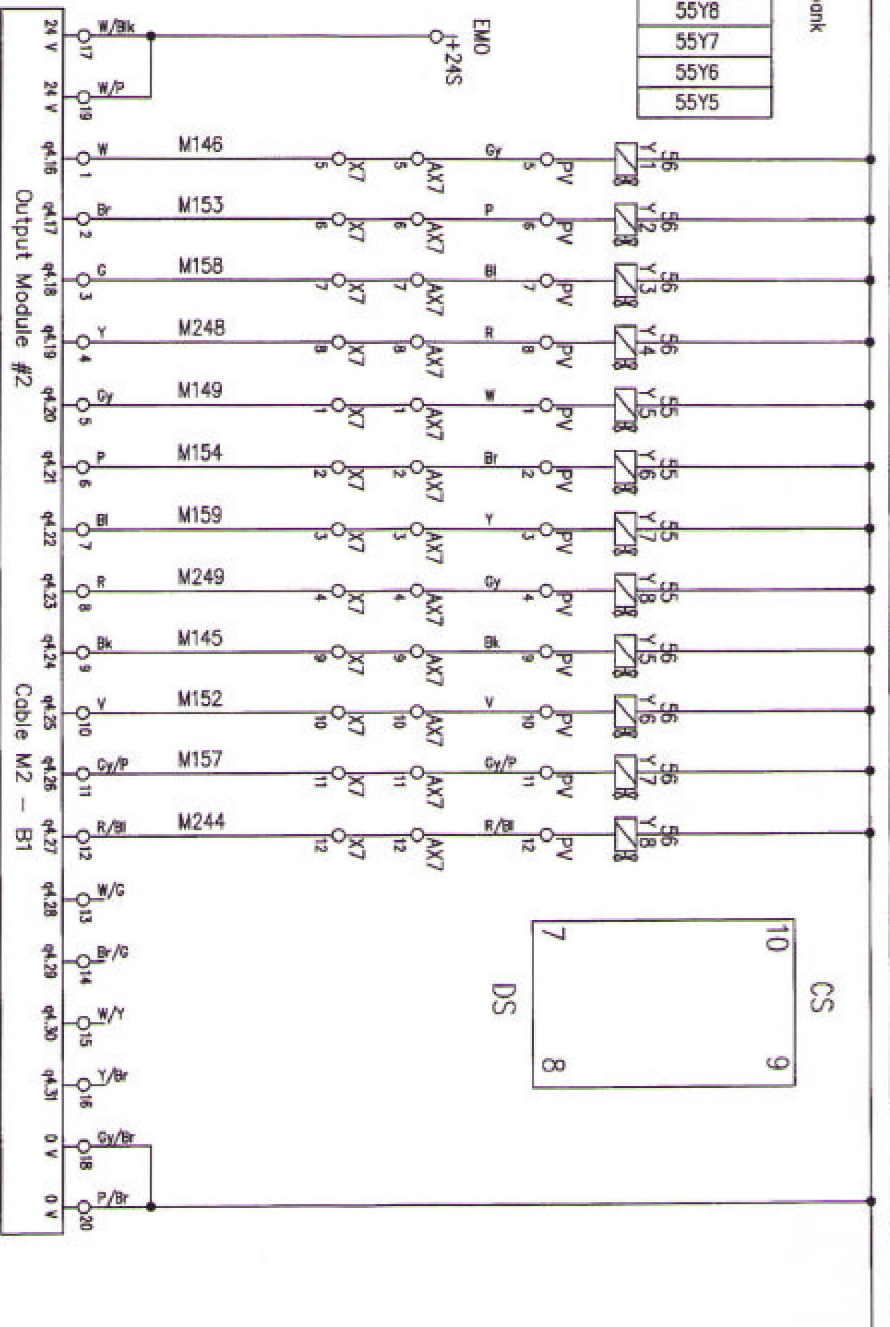


- EMO CS - S41
- Input 0 + DS - S42
- Input 1 + S43 & S44
- All CKT. breakers
- DS Door open
- DS door closed
- CS Door open
- CS Door closed
- Spray ring up
- Spray ring down
- Close Door CS 1
- Close Door CS 2
- Open Door CS
- Wash pump pressure
- Spray Ring Blocked Going Down
- Spray Ring Blocked Going Up

24W0-0V 0-

Pilot volves – Right bank

56Y8
56Y7
56Y6
56Y5
56Y4
56Y3
56Y2
56Y1
55Y8
55Y7
55Y6
55Y5

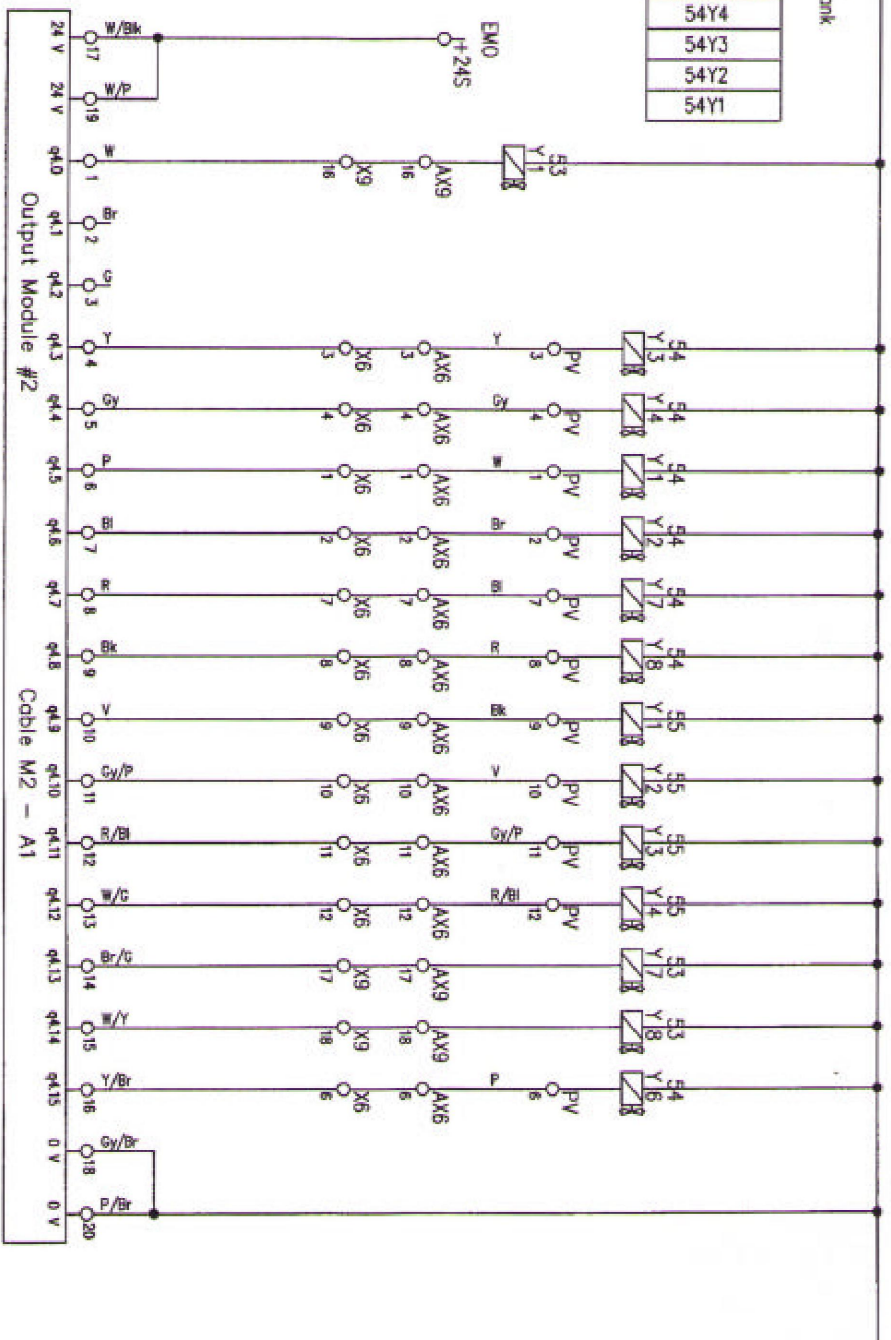
N/C  
Open

125126127128129130131132133134135136137138139140141142143144145146147148149

24V0  
0V0

Pilot valves - Left bank

55Y4
55Y3
55Y2
55Y1
54Y8
54Y7
54Y6
54Y5
54Y4
54Y3
54Y2
54Y1



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CS721

Manual Load Cartwasher

0 UNITS

Electric Diagram 1.01

2-8-2006

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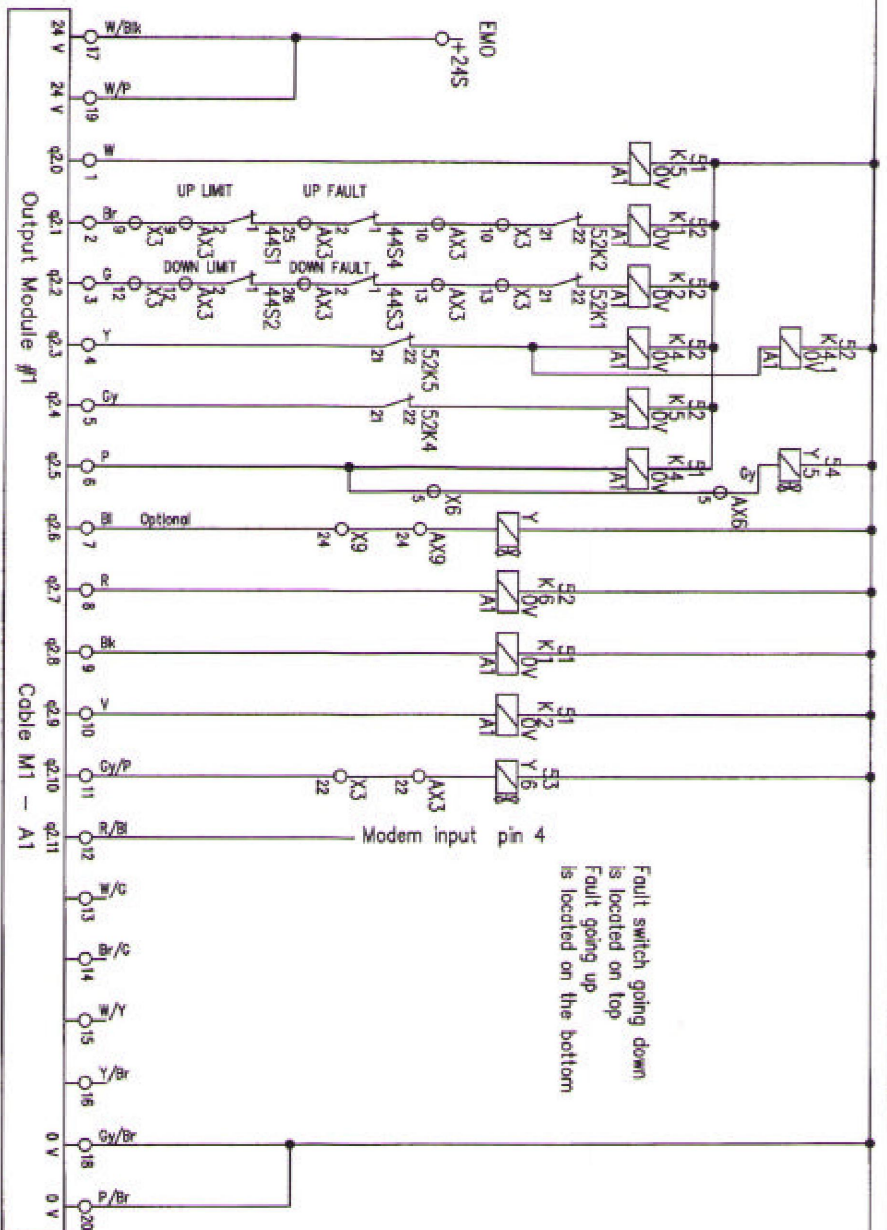


100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124

AOI BOX

AOI BOX

24V  
0V



Fault switch going down  
is located on top  
Fault going up  
is located on the bottom

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CS721 Manual Load Cartwasher

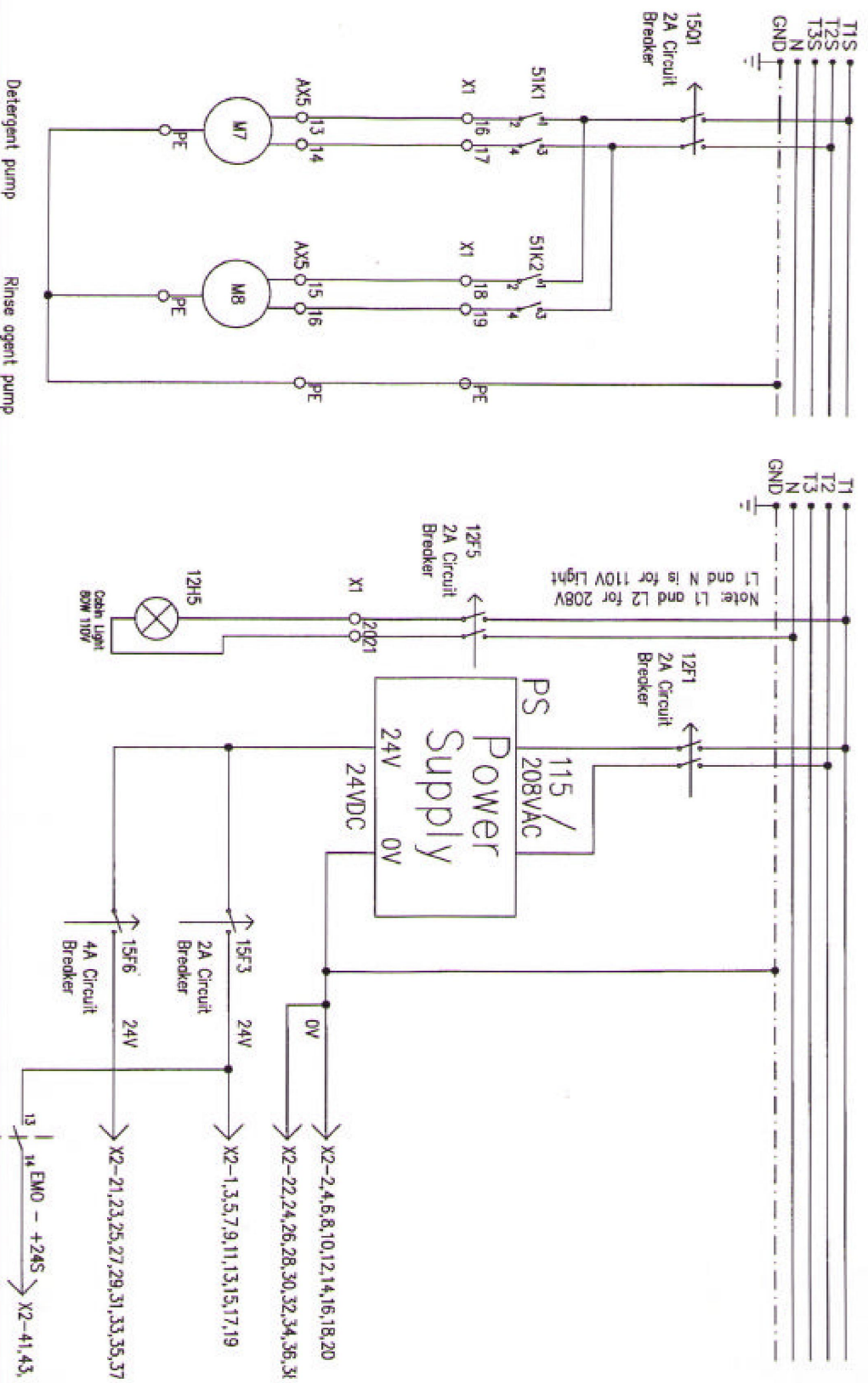
0 UNITS

Electric Diagram 1.01

2-8-2006

PAGE 5 of 10

75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99



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CS721

Manual Load Cartwasher

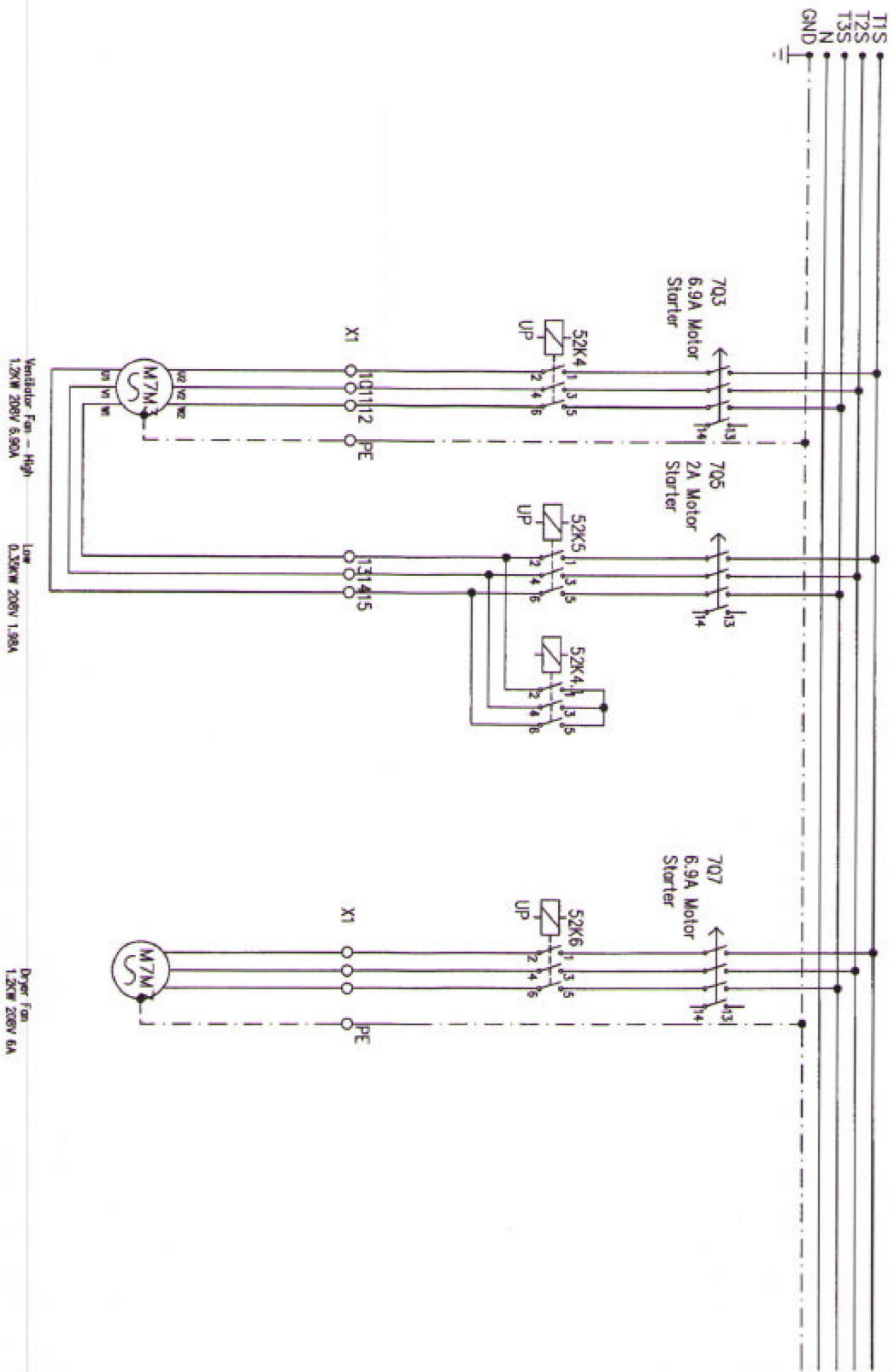
0 UNITS

Electric Diagram 1.01

2-8-2006

PAGE 4 of 10

50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74



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CS721

Manual Load Cartwasher

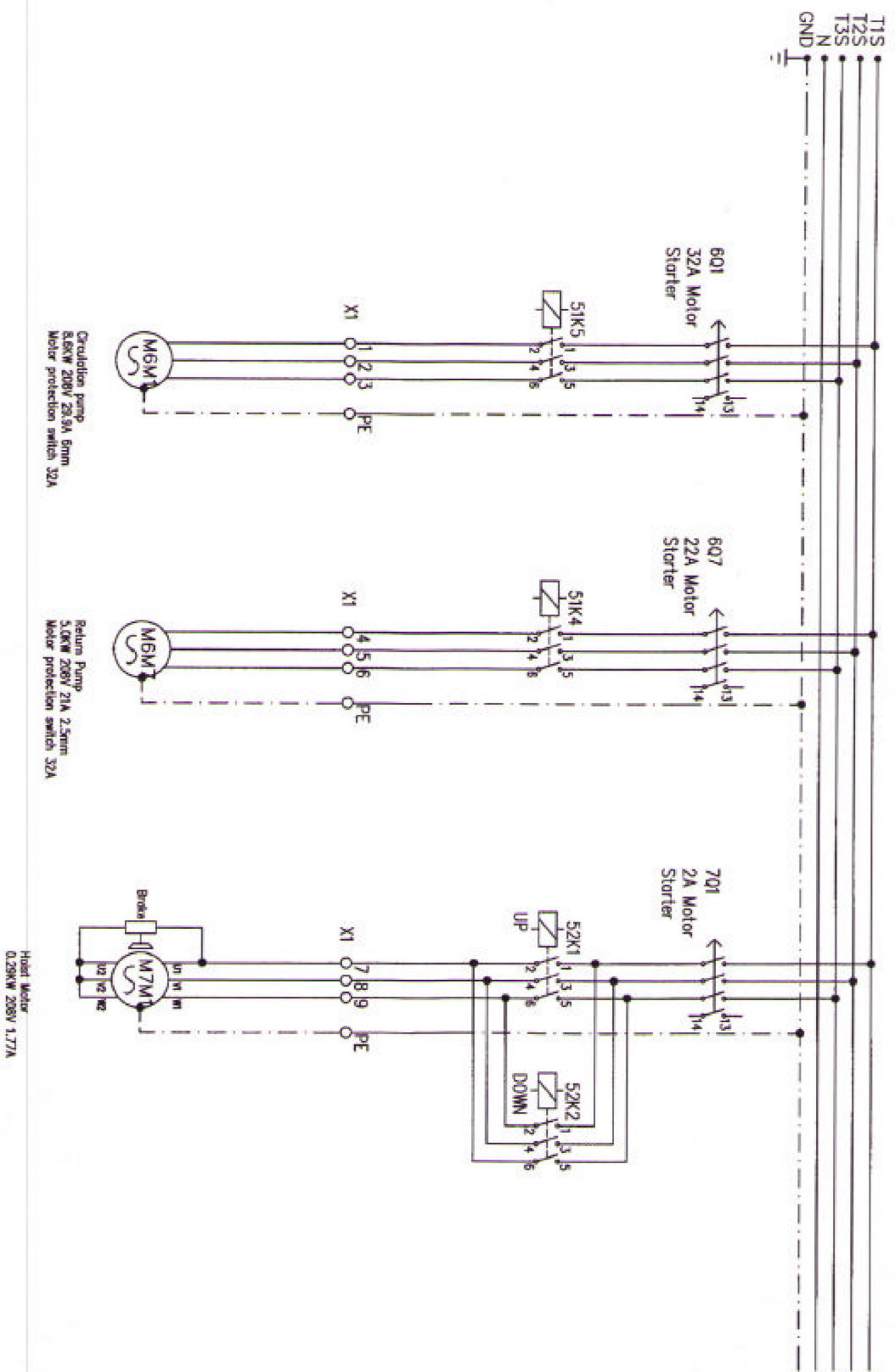
0 UNITS  
Electric Diagram 1.01

2-8-2006

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25 26 27 28 29 30 21 22 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49



250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274

Move metering pump power  
from 12F1 to 15Q1

Move power supply power  
from 15Q1 to 12F1

Remove power input from the  
right side of 12F5 and discard

Remove output wire from the  
right side of 12F5 – Replace wire  
with a white wire and reroute to "N"  
It should now go from X1-24 to N

=====

Power routing

3 Wires

From power switch to top side of K-EMO (L1,2&3)

3 Wires

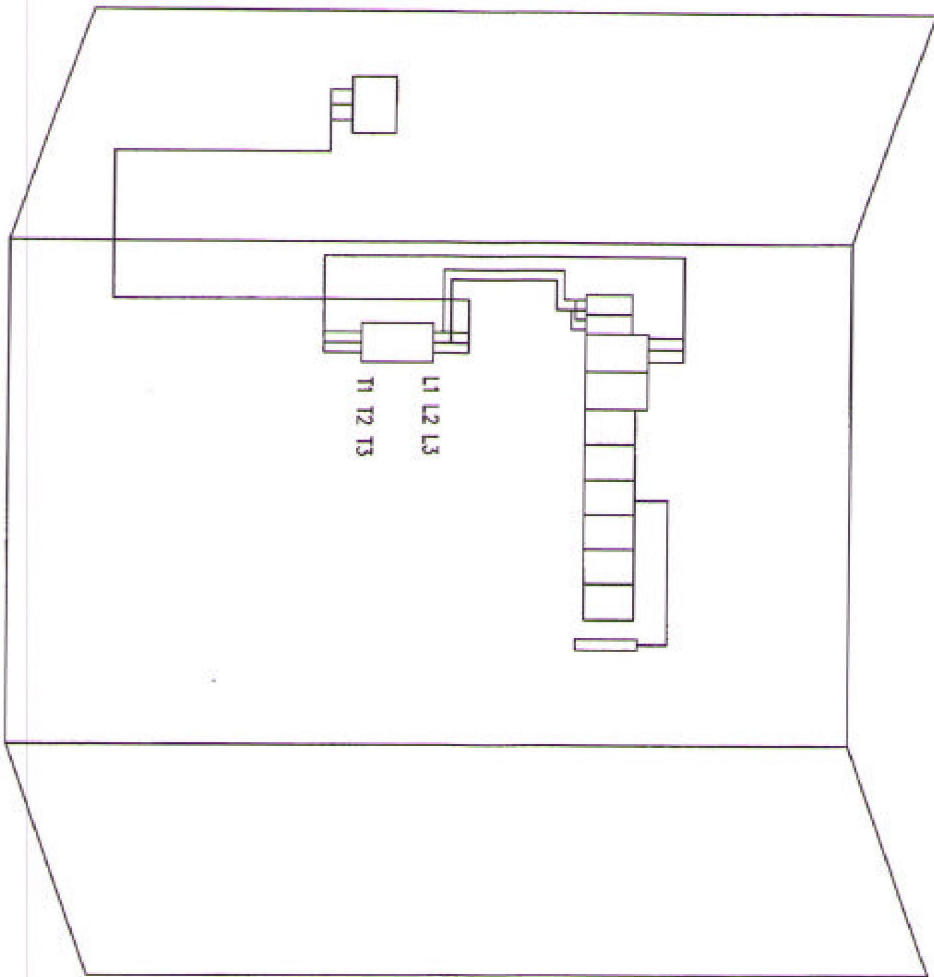
From bottom side of K-EMO to 6Q1 (T1,2&3)

2 wires

From 12F1 to top side of K-EMO (L1&3)

1 Wire

From 12F5 to top side of K-EMO (L2)



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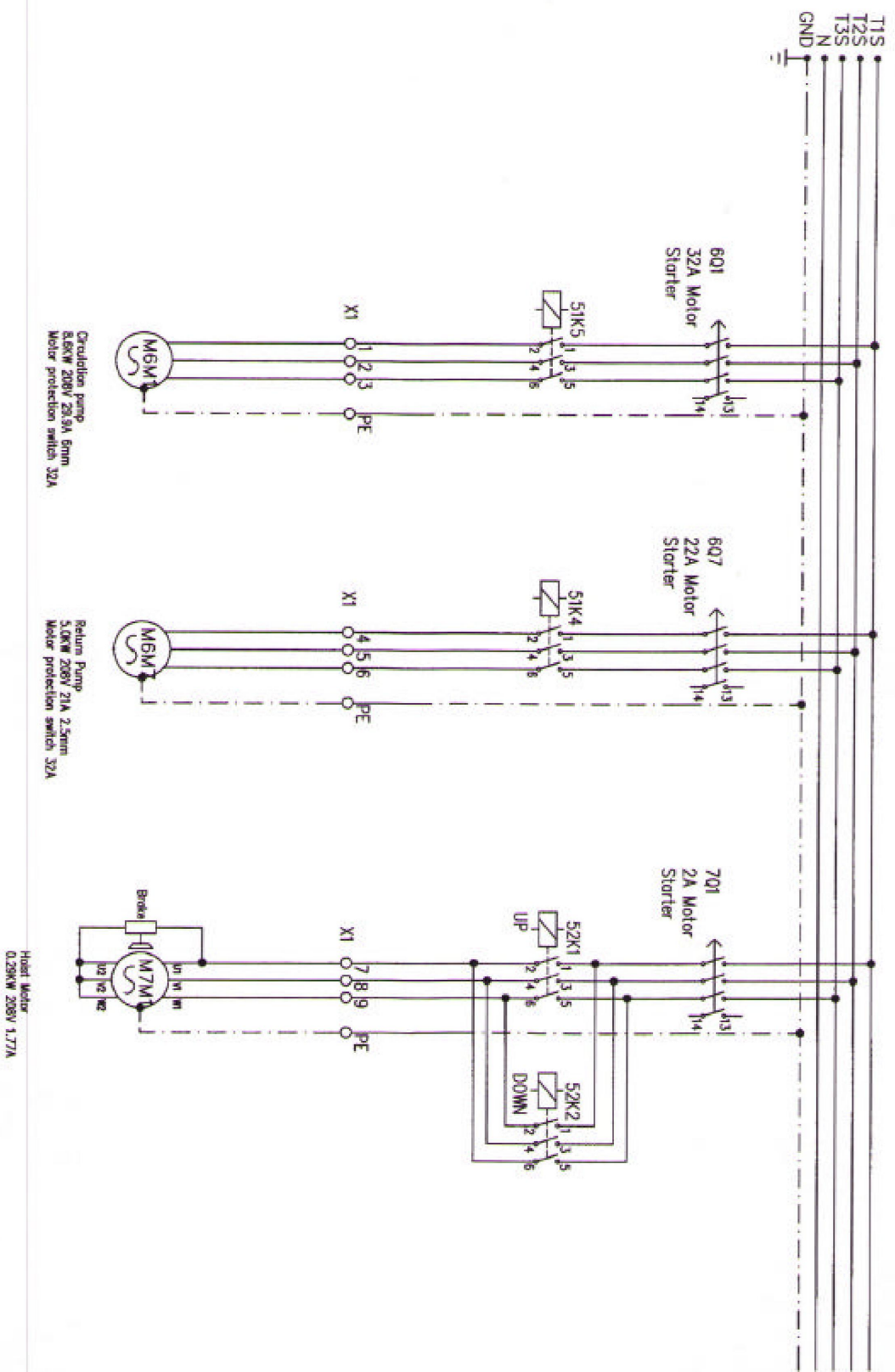
CS/21 0 UNITS  
Manual Load Cartwasher

Electric Diagram 1.01

2-8-2006

PAGE 11 of 10

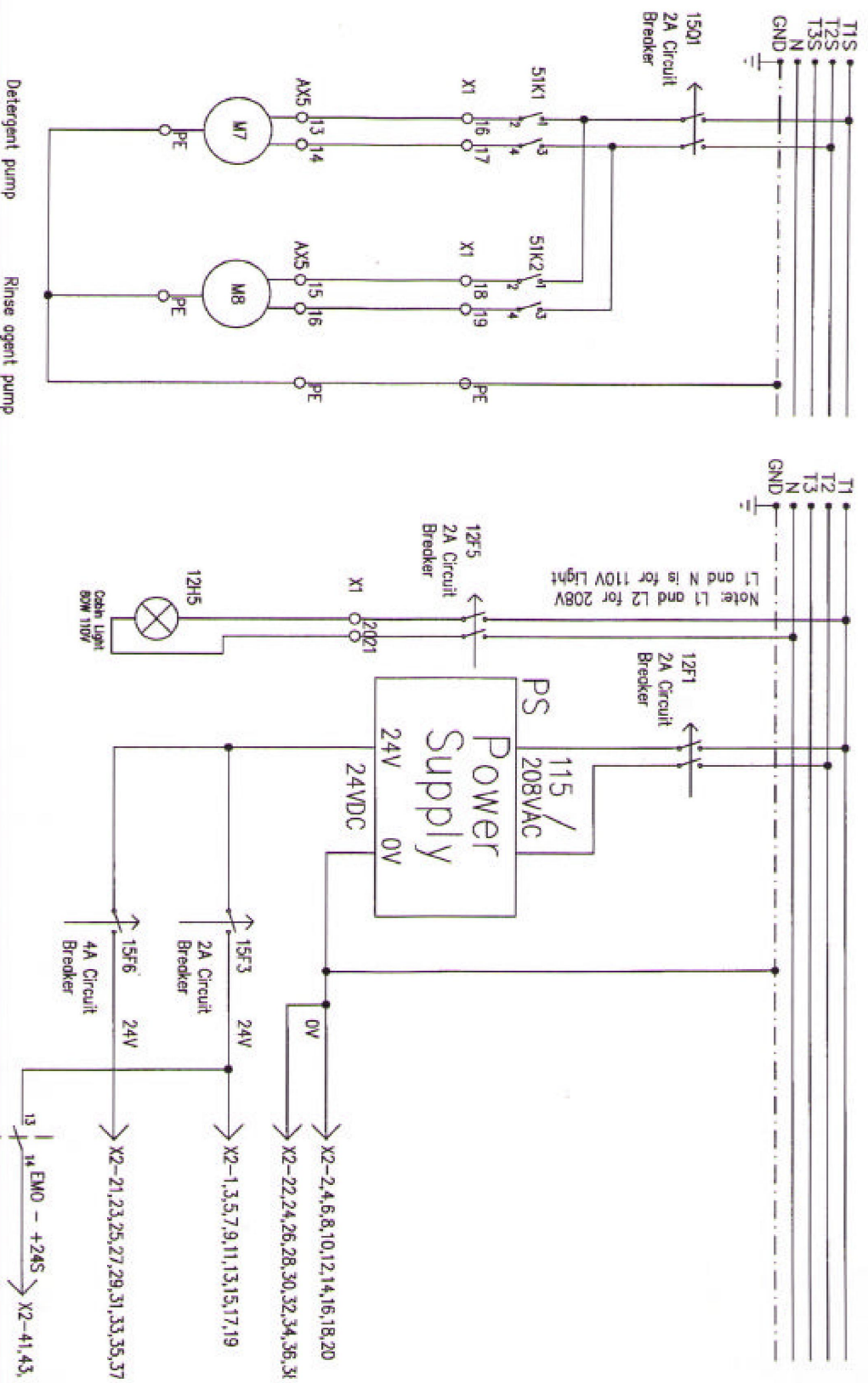
25 26 27 28 29 30 21 22 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

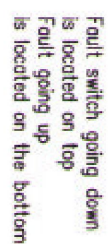






75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99





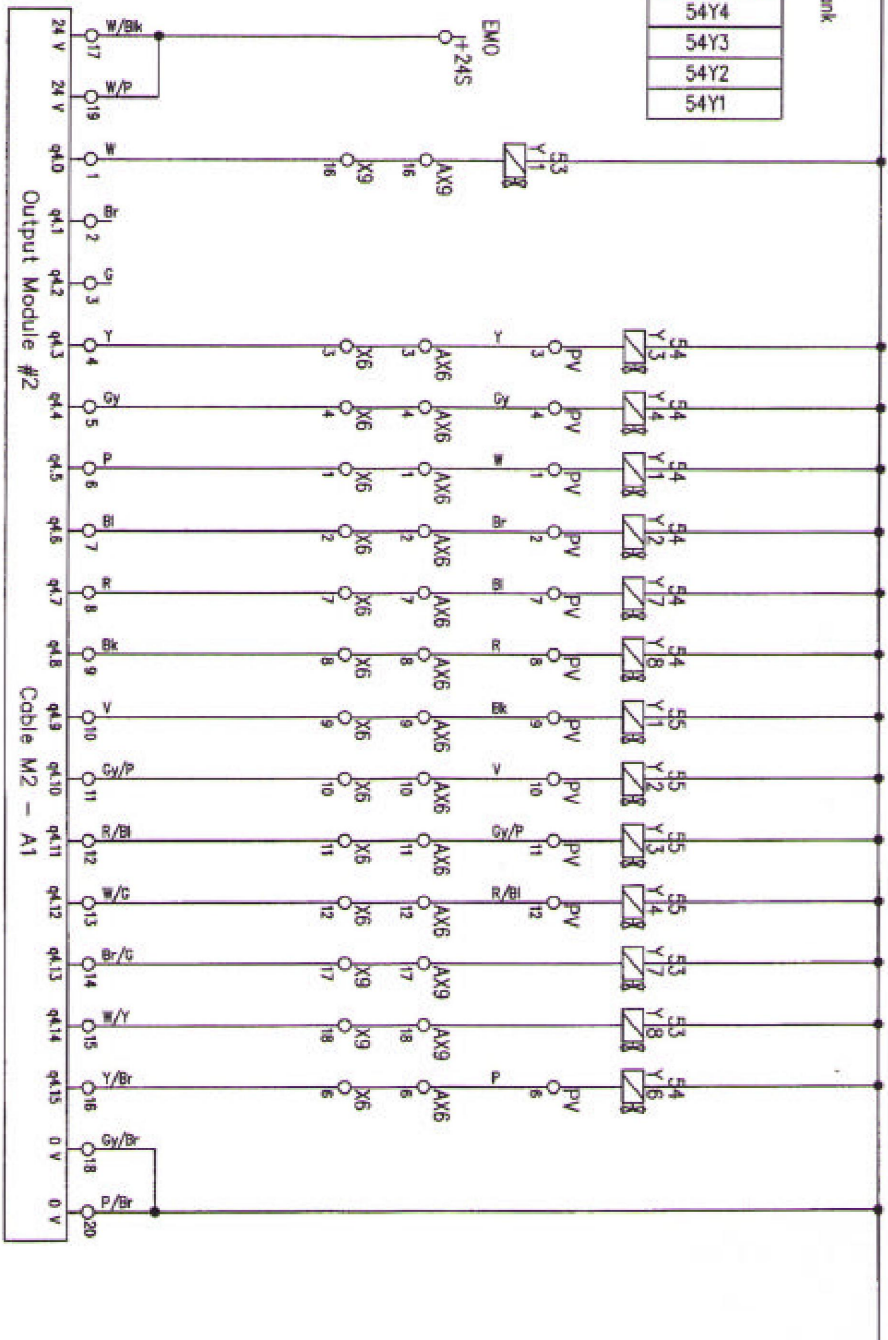


125126127128129130131132133134135136137138139140141142143144145146147148149

24V0  
0V0

Pilot valves - Left bank

55Y4
55Y3
55Y2
55Y1
54Y8
54Y7
54Y6
54Y5
54Y4
54Y3
54Y2
54Y1



Steam heat Wash tank  
N/C Open  
N/C Open  
Open Door OS  
Close Door OS  
Open Door OS  
Close Door OS  
Flapper down OS  
Flapper down OS  
Wash valve Left  
Wash valve Right  
Steam valve Dry register  
Steam heat Rinse water  
Water valve Wash tank  
Drain valve Wash tank  
Rinso water valve

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INC. Miami, FL

CS721

Manual Load Cartwasher

0 UNITS

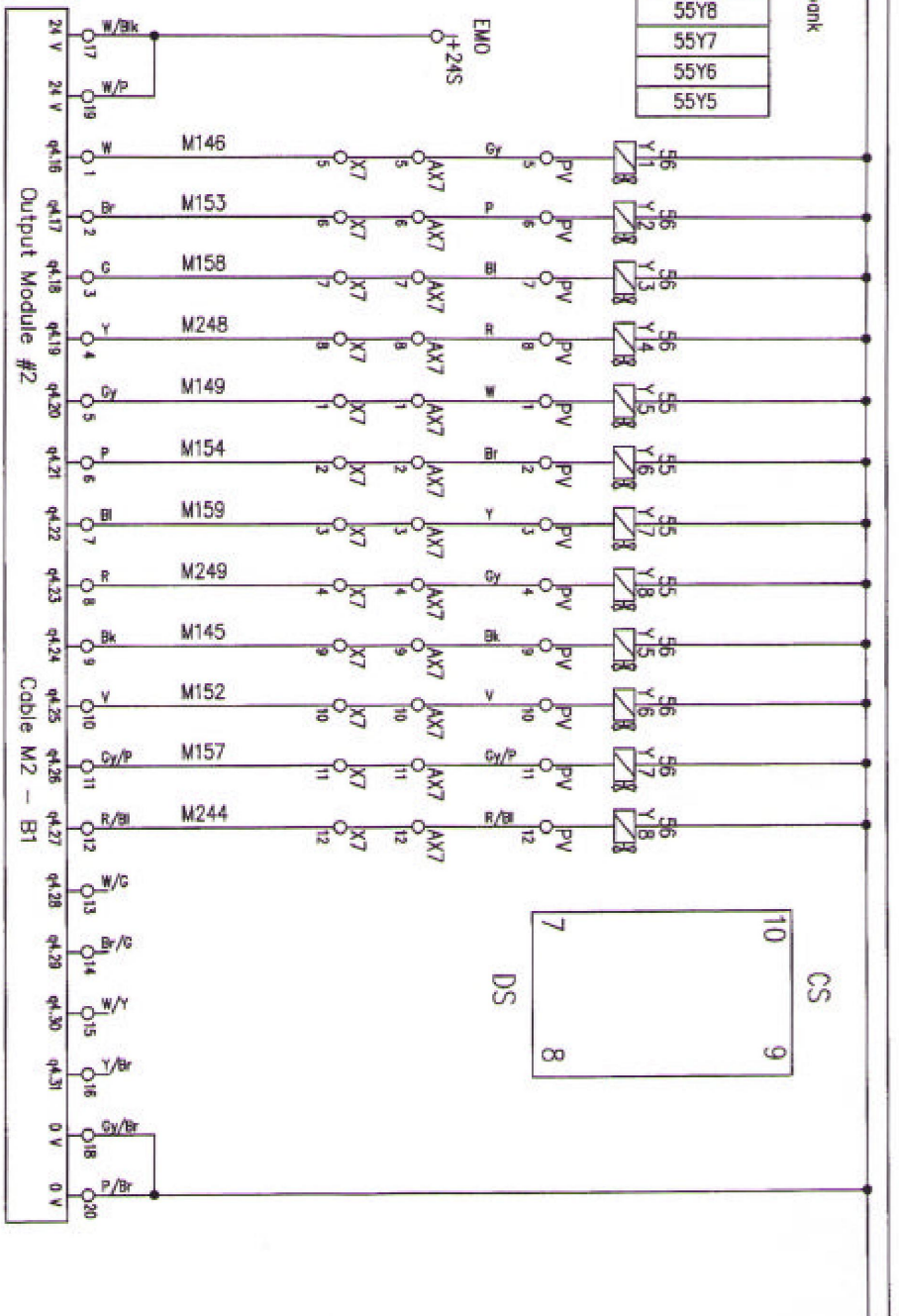
Electric Diagram 1.01

2-8-2006

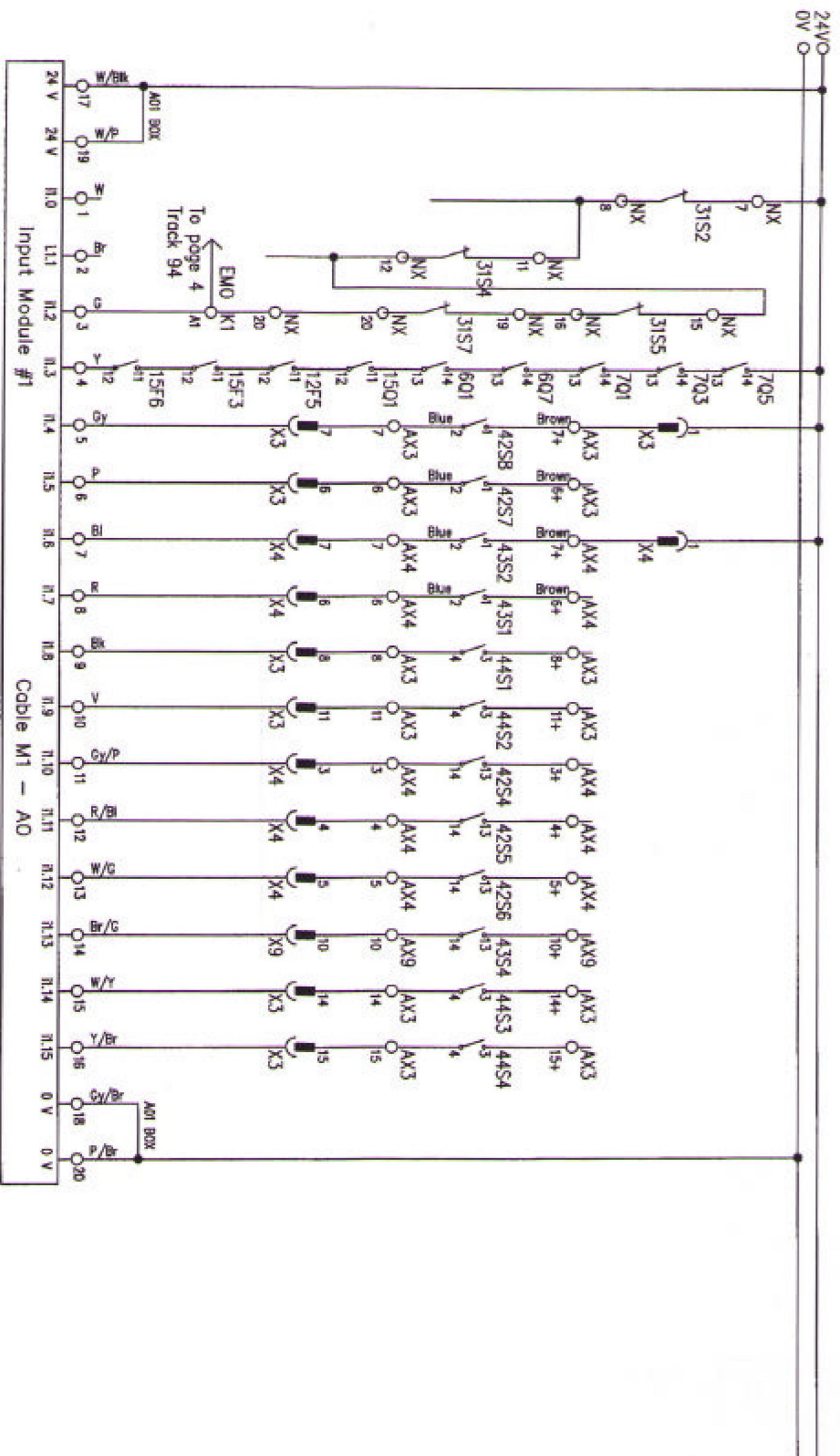
PAGE 6 of 10

56Y8
56Y7
56Y6
56Y5
56Y4
56Y3
56Y2
56Y1
55Y8
55Y7
55Y6
55Y5

Pilot volves – Right bank



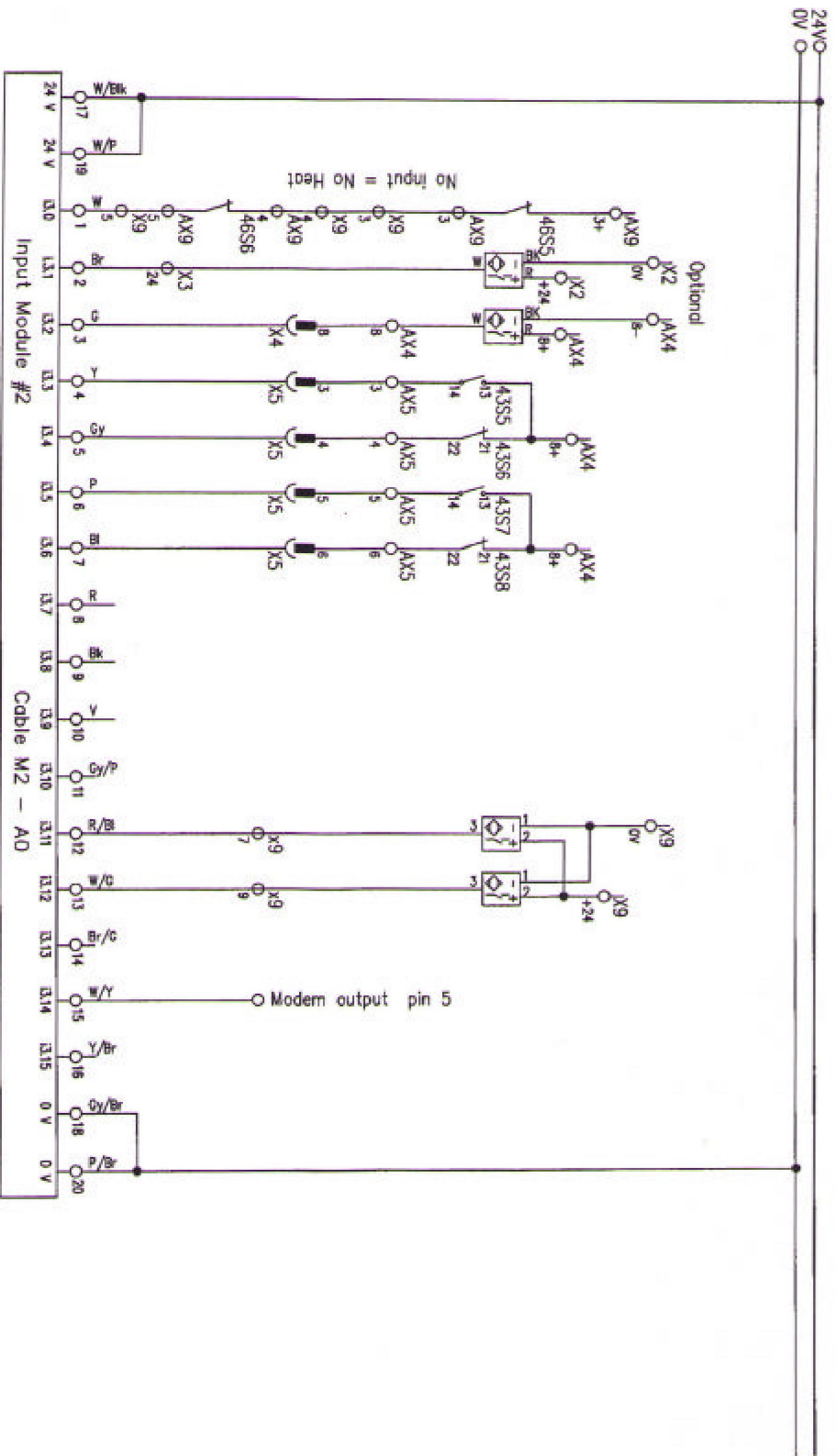
175176177178179180181182183184185186187188189190191192193194195196197198199



- EMO CS - S41
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- Spray ring down
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- Close Door CS 2
- Open Door CS
- Wash pump pressure
- Spray Ring Blocked Going Down
- Spray Ring Blocked Going Up



200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224



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CS721

Manual Load Cartwasher

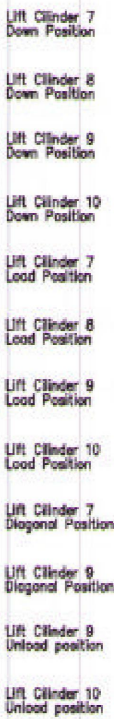
0 UNITS

Electric Diagram 1.01

2-8-2006

PAGE 9 of 10

24W0-DV O-



250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274

Move metering pump power  
from 12F1 to 15Q1

Move power supply power  
from 15Q1 to 12F1

Remove power input from the  
right side of 12F5 and discard

Remove output wire from the  
right side of 12F5 – Replace wire  
with a white wire and reroute to "N"  
It should now go from X1-24 to N

=====

Power routing

3 Wires

From power switch to top side of K-EMO (L1,2&3)

3 Wires

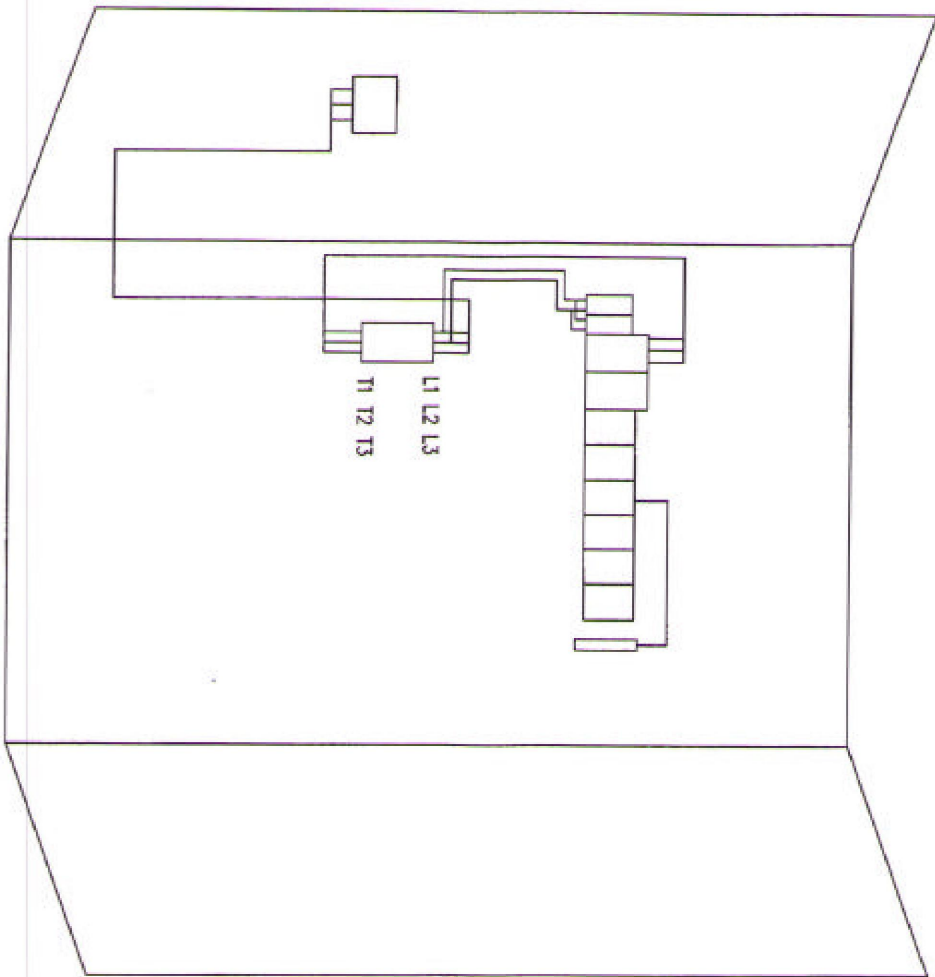
From bottom side of K-EMO to 6Q1 (T1,2&3)

2 wires

From 12F1 to top side of K-EMO (L1&3)

1 Wire

From 12F5 to top side of K-EMO (L2)



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CS/21 0 UNITS  
Manual Load Cartwasher

Electric Diagram 1.01

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